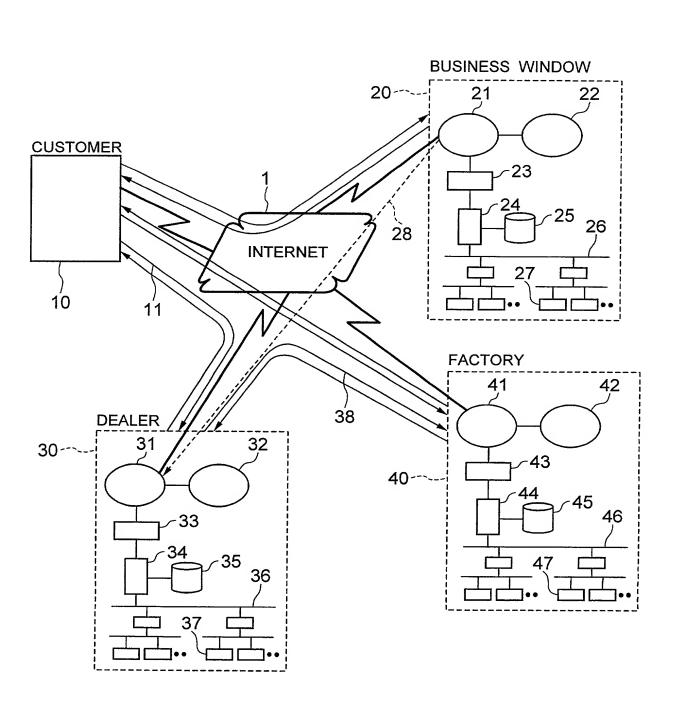
Atty Docket No. 16869S-038700

Sheet 1 of 24

FIG. 1

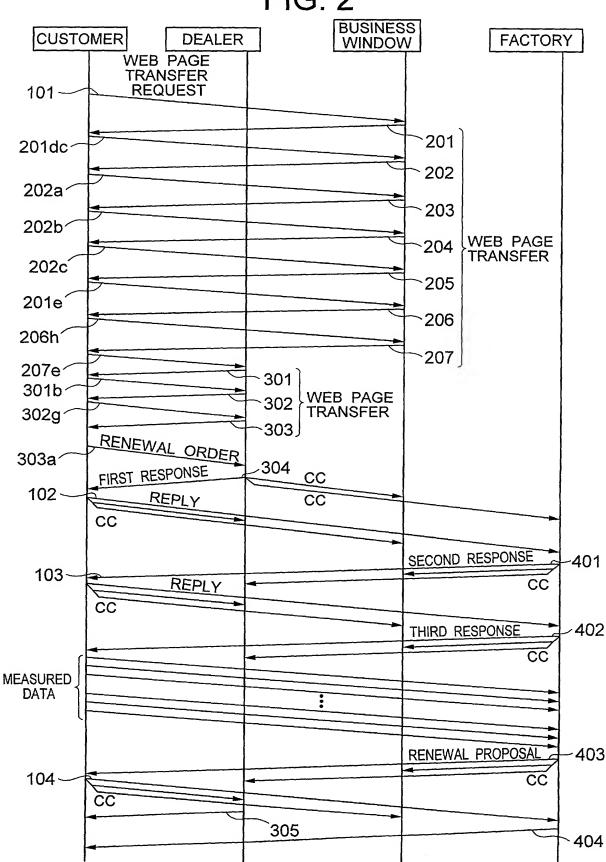




Atty Docket No. 16869S-038700

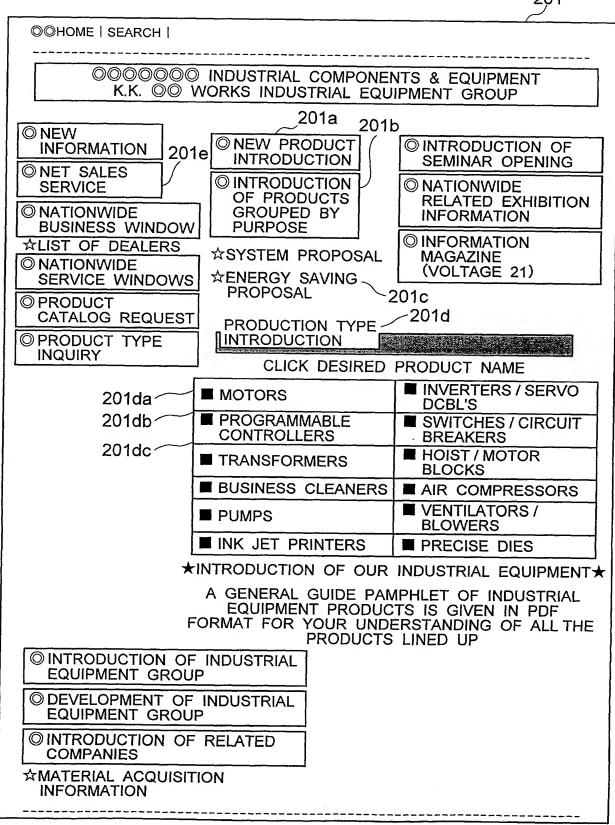
Sheet 2 of 24

FIG. 2



Sheet 3 of 24

FIG. 3



Sheet 4 of 24

FIG. 4

202

OOHOME | SEARCH | SUPER-ENERGY-SAVING Super△△ TRNSFORMER HEISEI XX 00000 0000 AWARD ACQUIRED TOTAL LOSS ABOUT 1/2, SUPER ENERGY SAVING TRANSFORMER DEMANDED BY CURRENT AGE ELECTRIC ENERGY WHICH IS A MUST TO INDUSTRIES AND OUR LIVINGS FOR SUCH TRANSFORMERS SUPPORTING THE DEMAND, HIGH ENERGY CONVERSION EFFICIENCY IS REQUIRED OOSUPER-ENERGY-SAVING TRANSFORMER SERIES |Super Δ Δ Δ Δ Δ | IS · · · · PEAUTURES 202a 1. REMARKABLY REDUCED "NO-LOAD LOSS" AND "LOAD LOSS" AND REALIZATION OF "ENERGY SAVING" AND "MINIMUM RUNNING COST" 202b 2. IMPROVED WINDING STRUCTURE OF EMPOLYING CORE MADE OF AMORPHOUS ALLOY ENABLED REDUCTION OF TOTAL LOSS BY ABOUT 50% (WHEN COMPARED TO EXISTING STANDARD) 3. MERIT OBTAINED BY THE ATOM ARRAY STRUCTURE 202c OF AMORPHOUS ALLOY APPLIED TO THE CORE OF THE TRANSFORMER SPECIFICATION LIST TABLE ■ Super△△△△△ OIL-CONTAINED TRANSFORMER STANDARD CHARACTERISTIC TABLE ATTACHMENT LIST TABLE DIMENSIONAL TABLE ■ Super△△△△△ OIL-CONTAINED TRANSFORMER

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© WHEN YOU WISH "NEW INSTALLATION" OR "RENEWAL" FOR YOUR TRANSFORMER, CLICK 'NATIONWIDE BUSINESS WINDOWS" AND ORDER A NEARBY 202fィ DEALER

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Sheet 5 of 24

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FIG. 5

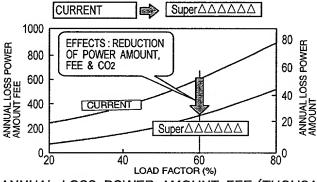
203

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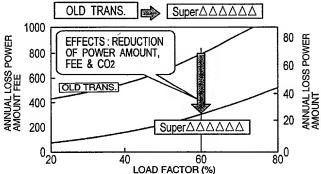
FEATURE 1

REMARKABLY REDUCED "NON-LOAD LOSS" AND "LOAD LOSS" AND REALIZATION OF "ENERGY SAVING" AND "MINIMUM RUNNING COST" ENERGY SAVING EFFECT

- GREATER ENERGY SAVING EFFECT FOR HIGHER LOAD FACTOR
- EVEN IN EITHER CASE OF NEW INSTALLATION AND RENEWAL, GREAT ENERGY SAVING EFFECT (SAVING OF POWER FEE, REDUCTION OF POWER AMOUNT AND REDUCTION OF CO2) IS OBTAINED
- ■NEW INSTALLATION (1,000kVA)



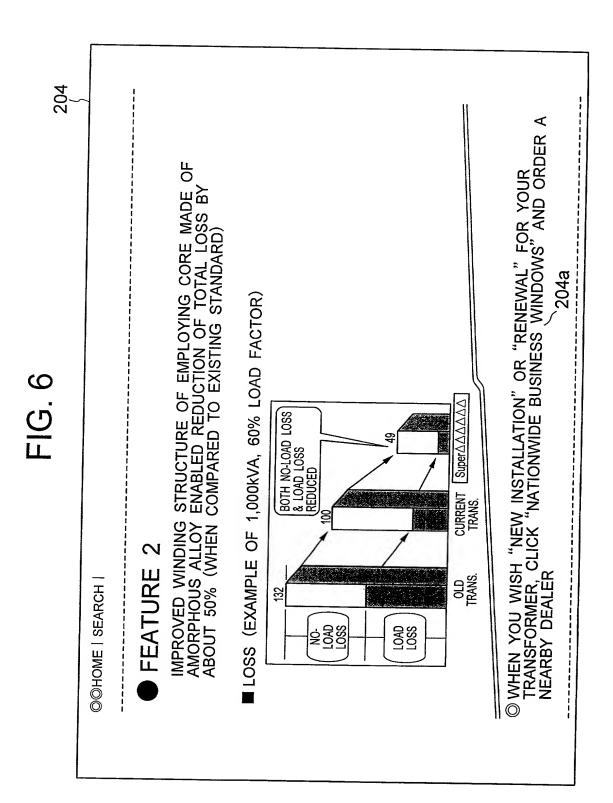
- 1 ANNUAL LOSS POWER AMOUNT FEE (THOUSAND YEN/YEAR)=[NO-LOAD LOSS $(W)+LOAD\ LOSS\ (W)\times(LOAD\ FACTOR)^2]/1,000\times365\ (DAYS)\times24(h)\timesUNIT$ ELECTRICITY RATE (11 YEN/kWh)/1,000
- 2 CO2 REDUCTION AMOUNT (t/year): CALCULATED ACCORDING TO CO2 EMISSION CCOEFFICIENT 0.423 [kg-CO2/kWh] AT POWER RECEIVING END IN 1990. (NOTE: C EMISSION COEFFICIENT BY CARBON CONVERSION IS 0.106 [kg-C/kWh])
- RENEWAL(EXAMPLE OF 1,000kVA)



- 1 ANNUAL LOSS POWER AMOUNT FEE (THOUSAND YEN/YEAR)=[NO-LOAD LOSS (W)+LOAD LOSS (W) \times (LOAD FACTOR)²]/1,000 \times 365 (DAYS) \times 24(h) \times UNIT ELECTRICITY RATE (11 YEN/kWh)/1,000
- 2 CO2 REDUCTION AMOUNT (t/year): CALCULATED ACCORDING TO CO2 EMISSION CCOEFFICIENT 0.423 [kg-CO2/kWh] AT POWER RECEIVING END IN 1990. (NOTE: C EMISSION COEFFICIENT BY CARBON CONVERSION IS 0.106 [kg-C/kWh])
- © WHEN YOU WISH "NEW INSTALLATION" OR "RENEWAL" FOR YOUR TRANSFORMER, CLICK "NATIONWIDE BUSINESS WINDOWS" AND OR NEARBY DEALER AND ORDER A

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Sheet 6 of 24



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205

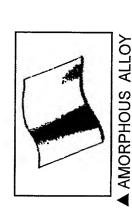
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FEATURE

MERIT PRODUCED BY ATOMIC ARRAY STRUCTURE OF AMORPHOUS ALLOY APPLIED TO TRANSFORMER CORE

AMORPHOUS ALLOY IS AN AMORPHOUS SOLID OBTAINED BY ABRUPTLY

THUS WHEN COOLING A RAW MATERIAL FROM ITS MELTED STATE. SINCE THE ALLOY COMPARED TO A



CRYSTALIZED

SCHEMATIC DIAGRAM
OF AMORPHOUS ALLOY

INSTALLATION" OR "RENEWAL" FOR YOUR NATIONWIDE BUSINESS WINDOWS" AND ORDER

Robert C. Colwell, Reg. No. 27,431

(650) 326-2400

Applicant: Tomomi Izuna, et al.

Title: Method for Supporting the Orders Received of Transformer

Atty Docket No. 16869S-038700

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FIG. 8

206

OOHOME | SEARCH | BUSSINESS WINDOW | MOTOR | INV/SERVO | PLC | SW/BREAKER | TRANSFORMER | | HOIST/BLOCK | CLEANER | COMPRESSOR | PUMP | FAN/BLOWER | IJ PRINTER | BUSSINESS WINDOW LIST ☆A CLICK OF DEALER DISPLAYS A DEALER LIST K.K. OO WORKS POSTAL CODE: 060-00XX ADDRESS: KITANIJO ... CHUOU-KU, SAPPORO-SHI TEL: 011-261-XXXX (REPRESENTATIVE) FAX: 011-221-XXXX 206a **HOKKAIDO** DEALER **BRANCH** BUSINESS AREAS HOKKAIDO POSTAL CODE: 980-85XX ADDRESS: AOBA-KU 1-CHOME, SENDAI-SHI TEL: 022-223-XXXX (REPRESENTATIVE) FAX: 022-223-XXXX 206b TOHOKU DEALER **BRANCH** BUSINESS AREAS AOMORI, AKITA, IWATE, MIYAGI, YAMAGATA, FUKUSHIMA POSTAL CODE: 261-71XX ADDRESS: MIHAMA-KU NAKASE, CHIBA-SHI TEL: 043-297-XXXX (REPRESENTATIVE) FAX: 043-390-XXXX **INDUSTRIAL EQUIPMENT** 206c GROUP DEALER **GENERAL** IBARAKI, TOCHIGI, GUNNMA, SAITAMA, CHIBA, TOKYO. **BUSINESS BUSINESS AREAS** NIIGATA, YAMANASHI, NAGANO **HEADQUARTER** POSTAL CODE: 220-00XX 206d ADDRESS: NISHI-KU TAKASHIMA, YOKOHAMA-SHI TEL: 045-451-XXXX (REPRESENTATIVE) FAX: 045-451-XXXX YOKOHAMA **DEALER BRANCH** BUSINESS AREAS KANAGAWA, SHIZUOKA (EAST SIDE OF FUJI-RIVER) POSTAL CODE: 920-08XX ADDRESS: MOTOMACHI KANAZAWA-SHI TEL: 076-263-XXXX (DIAL-IN) FAX: 076-263-XXXX 206e **HOKURIKU DEALER BRANCH** BUSINESS AREAS TOYAMA, ISHIKAWA, FUKUI POSTAL CODE: 460-84XX 206f ADDRESS: NAKA-KU SAKAE, NAGOYA-SHI TEL: 052-243-XXXX (REPRESENTATIVE) FAX: 052-259-XXXX **CHUBU DEALER BRANCH** BUSINESS AREAS GIFU, SHIZUOKA(WEST SIDE OF FUJI RIVER).AICHI.MIE POSTAL CODE: 559-85XX ADDRESS: SUMINOE-KU MINAMIMINATO HIGASHI, OSAKA-SHI TEL: 06-6616-XXXX (REPRESENTATIVE) FAX: 06-6616-XXXX 206g **KANSAI** DEALER **BRANCH** BUSINESS AREAS SHIGA, KYOTO, OSAKA, HYOUGO, NARA, WAKAYAMA POSTAL CODE: 730-00XX ADDRESS: NAKA-KU MOTOMACHI, HIROSHIMA-SHI TEL: 082-223-XXXX (REPRESENTATIVE) FAX: 082-222-XXXX 206h CHUGOKU DEALER **BRANCH** BUSINESS AREAS TOTTRI, SHIMANE, OKAYAMA, HIROSHIMA, YAMAGUCHI POSTAL CODE: 760-00XX ADDRESS: CHUOUCHOU, TAKAMATSU-SHI TEL: 087-831-XXXX (REPRESENTATIVE) FAX: 087-836-XXXX 206i SHIKOKU DEALER **BRANCH** BUSINESS AREAS TOKUSHIMA, KAGAWA, EHIME, KOUCHI POSTAL CODE: 814-85XX ADDRESS: HAYARA-KU, HYAKUDOUHAMA, FUKUOKA-SHI TEL: 092-852-XXXX (REPRESENTATIVE) FAX: 092-844-XXXX 206i **KYUSHU DEALER BRANCH** FUKUOKA, SAGA, NAGASAKI, KUMAMOTO, OITA, MIYAZAKI **BUSINESS AREAS** KAGOSHIMA, OKINAWA [RETURN] ______

Robert C. Colwell, Reg. No. 27,431

(650) 326-2400

Applicant: Tomomi Izuna, et al.

Title: Method for Supporting the Orders Received of Transformer

Atty Docket No. 16869S-038700

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FIG. 9

		1				4	207
	©©HOME SEARCH	1			*		
		DEALERS CHUGO		ONGING BRANCI			
	I <u>TO</u>	TTORI I SHIMANE I OK	<u>(AYAM</u>	A I HIROSH	IMA I	YAMAGUCHI I	
	TOTTORI						
	DEALER NAME	BUSINESS OFFICE		TEL	Π	ADDRESS	
20722	TOTTOPI OA (KK)	HEADQUARTER	0857	'-22-XXXX	ТО	TTORI-SHI	
201a	TOTTORI OA (K.K)	YONAGO BRANCH	0859	-22-XXXX	+	NAGO-SHI	
	SHIMANE						
	DEALER NAME	BUSINESS OFFICE		TEL		ADDRESS	
207b^	□□DENKI (K.K.)	HEADQUARTER	0852	-26-XXXX	MA	TSUE-SHI	
		ANRAI		-23-XXXX	AN	RAI-SHI	
	,	HAMADA	0855	-23-XXXX	HAI	MADA-SHI	
		ОКІ	0851	2-2-XXXX	ок	I-SHI	
ОКАҮАМА							
	DEALER NAME	BUSINESS OFFI	CE	TEL		ADDRESS	
207c~	<u>∆□denki (k.k.)</u>	HEADQUARTER		086-263->	XXX	OKAYAMA-SHI	
2074-	^ ^ DENIZI (K.K.)	CHUGOKU BRANCH OK	HUGOKU BRANCH OKAYAMA 086-422-XX		XXX	XXX KURASHIKI-SHI	
207u-	$\triangle \triangle DENKI (K.K.)$	CHUGOKU BRANCH TSI	UYAMA	0868-22->		TSUYAMA-SHI	
	HIROSHIMA						
	DEALER NAME	BUSINESS OFFIC	CE	TEL		ADDRESS	
20700	(K.K.) HIROSHIMA©©	HEADQUARTER		086-284-X	XXX	AKI-GUN	
2016	(ICIC) INICOINING	FUKUYAMA BRANCI	H	0849-23-X	XXX	FUKUYAMA-SHI	
207f~	△△DENKI (K.K.)	CHUGOKU BRANCH	l	082-247-X	XXX	HIROSHIMA-SHI	
20		CHUGOKU BRANCH KUF	RE	0823-24-X	XXX	KURE-SHI	
	YAMAGUCHI						
	DEALER NAME	BUSINESS OFFICE		TEL		ADDRESS	
207g~	O□SHOJI (K.K.)	HEADQUARTER	0833-	41-XXXX	SHI	MOMATSU-SHI	
207h~	YAMAGUCHI	HEADQUARTER	083-9	72-XXXX	YOS	SHIKI-GUN	
20/11	□△DENKI (K.K.)	IWAKUNI	0827-	21-XXXX	IWA	KUNI-SHI	
207i ~	- <u>∆∆denki (k.k.)</u>	CHUGOKU BRANCH TOKUYAMA	0834-	21-XXXX	TOK	(UYAMA-SHI	
_			RETU	IRN]			

Robert C. Colwell, Reg. No. 27,431

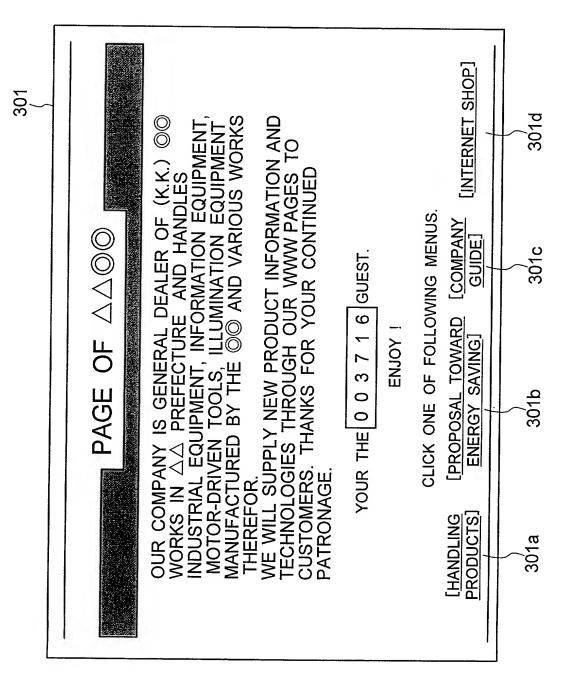
Applicant: Tomomi Izuna, et al.

(650) 326-2400

Title: Method for Supporting the Orders Received of Transformer

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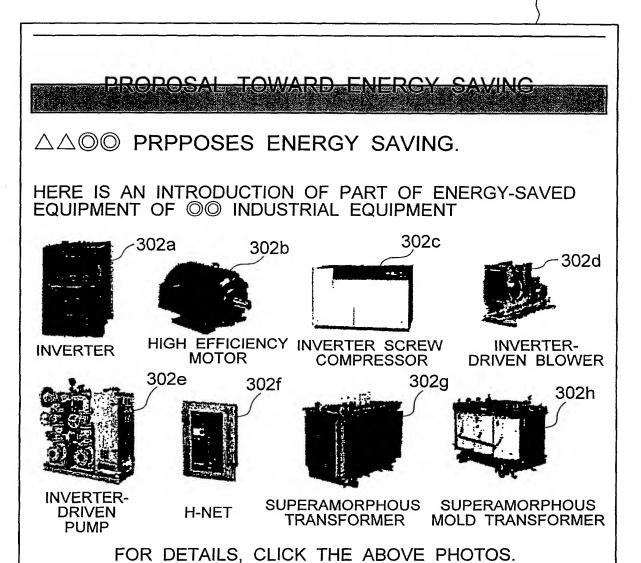
Applicant: Tomomi Izuna, et al.

Title: Method for Supporting the Orders Received of Transformer

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FIG. 11



Applicant: Tomomi Izuna, et al.

Title: Method for Supporting the Orders Received of Transformer

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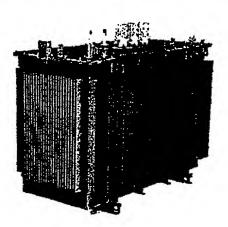
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FIG. 12

303







TOTAL LOSS ABOUT 1/2, SUPER-ENERGY-SAVED TRANSFORMER DEMANDED BY OUR AGE

ELECTRIC ENERGY IS A MUST IN INDUSTRIES AND LIVINGS A TRANSFORMER FOR ELECTRICITY RECEPTION AND DISTRIBUTION FOR SUPPORTING OUR ELECTRICITY USE IS REQUIRED TO HAVE A HIGH ENERGY CONVERSION EFFICIENCY

■ FEATURES:

- 1.REMARKABLY REDUCED "NO-LOAD LOSS" AND "LOAD LOSS" AND REALIZATION OF "ENERGY SAVING" AND "MINIMUM RUNNING COST"
- 2.IMPROVED WINDING STRUCTURE OF EMPLOYING CORE MADE OF AMORPHOUS ALLOY ENABLED REDUCTION OF TOTAL LOSS BY ABOUT 50% (WHEN COMPARED TO EXISTING STANDARD)
- 3.MERIT OBTAINED BY THE ATOM ARRAY STRUCTURE OF AMORPHOUS ALLOY APPLIED TO THE CORE OF THE TRANSFORMER
- AIMING AT EARTH-FRIENDRY ENTERPRISE, WE ◎◎ PROPOSES ENERGY SAVING
- ●WHEN YOU HAVE "RENEWAL" OR "NEW INSTALLATION" TO SUPER-ENERGY-SAVED TRANSFORMER IN MIND, PLEASE CLICK ONE OF FOLLOWING MENUS ?

[RENEWAL] [NEW INSTALLATION]

303a

`303b

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FIG. 13

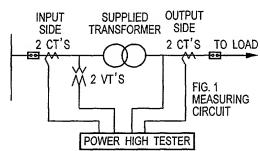
304

[CUSTOMERS]

- ★OUR COMPANY IS △△◎◎, A GENERAL DEALER OF (K.K.) ◎◎ WORKS
- ★WE RECEIVED MANY MESSAGES SAYING "I AM EXAMINING" RENEWAL TOWARD SUPER-ENERGY-SAVED TRANSFORMER" THANKS FOR YOUR ORDER
- ★IN OUR (K.K.) ©© WORKS, IN ORDER THAT CUSTOMERS CAN WELL APPRECIATE ECONOMICAL EFFECTS BASED ON "RENEWAL" AND SUPPOCUSTOMERS OF THE PROPERTY AND SUPPORT CONDUCT FOUR STEPS WHICH FOLLOW

FIRST STEP: GRASPING POWER USE CONDITION

- INSTALLATION AND WIRING OF MEASURING CIRCUIT OF FIG. 1 TO MEASURE LOAD FACTOR, TRANSFORMER LOSS, ETC.
- THE INSTALLATION AND WIRING IS DONE BY ENGINEERS OF (K.K) ©© WORKS, □□ FACTORY



SECOND STEP: PROPOSAL OF TRANSFORMER RENEWAL

AFTER MEASURING YOUR POWER USE CONDITION IN ABOUT 2 WEEKS, WE WILL SUGGEST THE TRANSFORMER OPTIMUM RENEWAL PROPOSAL ON THE BASIS OF THE MEASUREMENTS AND INFORMS YOU OF ITS ECONOMICAL AND ENVIRONMENTAL EFFECTS

THIRD STEP: YOUR JUDGEMENT OF RENEWAL

● PLEASE JUDGE OUR RENEWAL PROPOSAL

FOURTH STEP: SETTING OF INSTALLATION DATE/ADVICES FOR CALCULATION OF CO2 REDUCTION AMOUNT, ETC.

- DLET ME ADVISE THE SETTING OF THE INSTALLATION DATE OF THE SUPER-ENERGY-SAVED TRANSFORMER AND THE CALCULATION OF REDUCED POWER AMOUNT AND CO2 AMOUNT AFTER RENEWAL
- ★IF YOU ANSWER FOLLOWING QUESTIONS AND CLICK "SEND", THEN (K.K.) ○ WORKS, □□ FACTORY WILL CONTACT YOU ABOUT DETAILS OF THE FIRST STEP
- ① WHAT IS SPECIFICATIONS OF YOUR TRANSFORMER NOW IN USE

CAPACITY	PHASE NUMBER	PRIMARY VOLTAGE	SECONDAY VOLTAGE	NUMBER OF TRANSFORMERS	MANUFACTURED YEAR	MANUFACTURE
▼	▼	V	▼	▼	▼	lacksquare
▼	▼	▼	V			lacksquare
▼	▼	V	V	▼	▼	lacksquare
▼	▼	lacksquare	▼			lacksquare
▼	V	▼	▼			lacksquare

2 ABOUT 4 HOURS OF "POWER FAILURE" IS REQUIRED FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT POSSIBLE ?

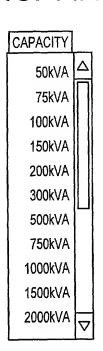
YES NOO

③ WHEN IS YOUR DESIRED DATE FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT?

[SEND] [CANCEL]

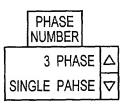
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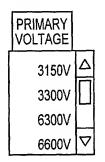
FIG. 14D FIG. 14A FIG. 14B FIG. 14C



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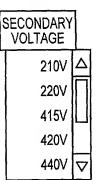
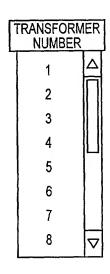


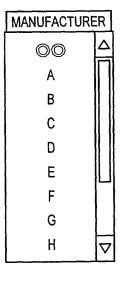
FIG. 14E FIG. 14F FIG. 14G

FIG. 14H

INSTALLATION/WIRING



	MANUFACTURE YEAR	D
	BEFORE 1970	
١	1971	
	1972	
	1973	
Ì	1974	
	1975	
	1976	
	1977	
-	1978	
	1979	
	1980	
	1981	
	1982	
	1983	
Ì	1984	
	1985	밁
	l	1 * 1



-	DATE OF MEAS CIRCUIT	URING
	2001. 10. 1	Δ
	2001. 10. 2	
	2001. 10. 3	
	2001. 10. 4	
	2001. 10. 5	
	2001. 10. 6	
	2001. 10. 7	
	2001. 10. 8	
	2001. 10. 9	
	2001. 10. 10	
	2001. 10. 11	
	2001. 10. 12	
	2001. 10. 13	
	2001. 10. 14	
	2001. 10. 15	
	2001. 10. 16	$\overline{\forall}$
		<u></u>

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FIG. 15

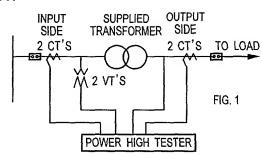
-102

[CUSTOMERS]

- ★OUR COMPANY IS △△◎◎, A GENERAL DEALER OF (K.K.) ◎◎ WORKS
- ★WE RECEIVED MESSAGE SAYING "I AM EXAMINING" RENEWAL TOWARD SUPER-ENERGY-SAVED TRANSFORMER" THANKS FOR YOUR ORDER
- ★IN OUR (K.K.) ©© WORKS, IN ORDER THAT CUSTOMERS CAN WELL APPRECIATE ECONOMICAL EFFECTS BASED ON "RENEWAL" AND SUPPOCUSTOMERS' ENVIRONMENTAL MANAGEMENT (ISO14001 STANDARD), WE AND SUPPORT CONDUCT FOUR STEPS WHICH FOLLOW

FIRST STEP: GRASPING POWER USE CONDITION

- INSTALLATION AND WIRING OF MEASURING CIRCUIT OF FIG. 1 TO MEASURE LOAD FACTOR TRANSFORMER LOSS, EŤC
- THE INSTALLATION AND WIRING IS DONE BY ENGINEERS OF (K.K)



SECOND STEP: PROPOSAL OF TRANSFORMER RENEWAL

AFTER MEASURING YOUR POWER USE CONDITION IN ABOUT 2 WEEKS, WE WILL SUGGEST THE TRANSFORMER OPTIMUM RENEWAL PROPOSAL ON THE BASIS OF THE MEASUREMENTS AND INFORMS YOU OF ITS ECONOMICAL AND **ENVIRONMENTAL EFFECTS**

THIRD STEP: YOUR JUDGEMENT OF RENEWAL

● PLEASE JUDGE OUR RENEWAL PROPOSAL

FOURTH STEP: SETTING OF INSTALLATION DATE/ADVICES FOR CALCULATION OF CO2 REDUCTION AMOUNT, ETC.

- ▶LET ME ADVISE THE SETTING OF THE INSTALLATION DATE OF THE SUPER-ENERGY-SAVED TRANSFORMER AND THE CALCULATION OF REDUCED POWER AMOUNT AND CO2 AMOUNT AFTER RENEWAL
- ★IF YOU ANSWER FOLLOWING QUESTIONS AND CLICK "SEND", THEN (K.K.). @@ WORKS, $\Box\Box$ FACTORY WILL CONTACT YOU ABOUT DETAILS OF THE FIRST STÉP
- 1 WHAT IS SPECIFICATIONS OF YOUR TRANSFORMER NOW IN USE

CAPACITY	PHASE NUMBER	PRIMARY VOLTAGE	SECONDAY VOLTAGE	NUMBER OF TRANSFORMERS	MANUFACTURED YEAR	MANUFACTURE
50kVA ▼	SINGLE PHASE ▼	3150V ▼	210V ▼	2	1978 ▼	00
500kVA ▼	3 PHASE ▼	6600V ▼	210V ▼	2 ▼	1975 ▼	00 🔻
1000kVA ▼	3 PHASE ▼	6600V ▼	210V ▼	4 ▼	1975 ▼	00 🔻
. 🔻	lacksquare	\blacksquare	▼		V	lacksquare
lacksquare		V	\blacksquare			lacksquare

② ABOUT 4 HOURS OF "POWER FAILURE" IS REQUIRED FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT POSSIBLE ?

YES @ NOO

3 WHEN IS YOUR DESIRED DATE FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT ?

2001.10.20

[SEND] [CANCEL]

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FIG. 16

~ 401

[CUST	OMER	RS]							
★ WELC	OME TO	(K.K.)		ORKS, □□ F.	ACTORY !				
★ THANK SAVED	(S FOR TRANS	YOUR SFORME	ORDER (ER" FOR	OF "RENEWA AN ACCEPTA	AL TO SUPER- ANCE TABLE I	ENERGY- BELOW			
	KS FOR SFORME		CONTINU	ED PATRONA	AGE OF OUR-	──401a			
OR	DER AC	CEPTA	NCE TABL	E FROM ☆¬	TINDUSTRY				
DEALER NAME			(K.K.) △		DATE ACC 08 / 08 / 200				
ORDER	TRAN		ER RENE		ORDER No	. : 34-056			
	CAPACITY	PHASE No.	VOLTAGE	TRANSFORMER NUMBER	MANUFACTURED YEAR	MANUFACTURER			
TRANSFORMER IN USE	50kVA	SINGLE PHASE	3150V/210V	2	1978	00			
	500kVA	3 PHASE	6600V/210V	2	1975	00			
1000kVA 3 PHASE 6600V/210V 1 1975 ©©									
DESIRED DATE OF INSTALLATION / WIRING OF MEASURING CIRCUIT 10 / 20 / 2001									
POWER FAILURE UPON INSTALLATION / WIRING POSSIBLE									
*AS A RESULT OF SCHEDULE CONFIRMATION BY OUR FACTORY 401c ENGINEERS, WE ACCEPTED 10/20 (Sa.), 2001 AS YOU WISH									
MEASURI PREVIOU	NG CIR	CUIT, VECTION	VE WOUL	D LIKE TO C	TION / WIRING CONTACT YOU RMERS (ON-TH I WOULD LIK BER 1ST	J ABOUT HE-SPOT			
① PLEASE E DESIRED PREVIOUS	NTER Y	OUR OR	FIRST SECOND	PREFERENCE					
② PLEASE E BE CONT					AME / PERSON	ТО			
ADDRESS	TO BE	VISITED							
COMPANY	NAME					→ 401d			
PERSON T	O BE C	ONTAC	г						
TELEPHON	E NUME	BER							
3 YOUR TRAINSTALLEI 4 THE MEAS INSTALLA POSSIBLE	D INDOO SURING TION TY	ORS OF	OUTDO		RS® OUTDOO	RSO			
•			[SEND]	[CANCEL]					

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FIG. 17A

FIG. 17B

PREVIOUS INSPECTION DATE

2001. 10. 07

2001. 10. 08

2001. 10. 09

2001. 10. 10

2001. 10. 11

2001. 10. 12

2001. 10. 13

▽

TIME

09:00~10:30 △

10:00~11:30

11:00~12:30

13:00~14:30

14:00~15:30

15:00~16:30

16:00~17:30 ▽

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FIG. 18

_103

[CUSTOMERS]

- ★ WELCOME TO (K.K.) ©© WORKS, □□ FACTORY!
- ★ THANKS FOR YOUR ORDER OF "RENEWAL TO SUPER-ENERGY-SAVED TRANSFORMER" FOR AN ACCEPTANCE TABLE BELOW
- ★ THANKS FOR YOUR CONTINUED PATRONAGE OF OUR TRANSFORMERS

OR	DER AC	CEPTAN	NCE TABL	E FROM ☆☆	<u>₹</u> [NDUSTRY ((K.K.)
DEALER NAME	HIRO	SHIMA :	(K.K.) △	∆©©		DATE ACC 08 / 08 / 200	
ORDER	TRAN	TRANSFORMER RENEWAL ORDER No.: 34-056					
	CAPACITY	PHASE No.	VOLTAGE	TRANSFORMER NUMBER	MA	NUFACTURED YEAR	MANUFACTURER
TRANSFORMER IN USE	50kVA	SINGLE PHASE	3150V/210V	2		1978	00
	500kVA	3 PHASE	6600V/210V	2		1975	00
	1000kVA	3 PHASE	6600V/210V	1		1975	00
DESIRED DATE OF INSTALLATION / WIRING OF MEASURING CIRCUIT 10 / 20 / 2001							
POWER FA OF MEASU	ILURE U RING CII	IPON IN RCUIT	ISTALLAT	ION / WIRING	G	POS	SIBLE

- ★AS A RESULT OF SCHEDULE CONFIRMATION BY OUR FACTORY ENGINEERS, WE ACCEPTED 10/20 (Sa.), 2001 AS YOU WISH
- ★IN ORDER TO PROMOTE SMOOTH INSTALLATION / WIRING OF THE MEASURING CIRCUIT, WE WOULD LIKE TO CONTACT YOU ABOUT PREVIOUS INSPECTION OF YOUR TRANSFORMERS (ON-THE-SPOT CONFIRMATION AND BRIEF ARRANGEMENT). I WOULD LIKE TO BE APPRECIATED FOR YOUR "SEND" BY OCTOBER 1ST
- ① PLEASE ENTER YOUR
 DESIRED DATE FOR
 PREVIOUS INSPECTION

 THIRD PREFERENCE 2001.10.12 ▼ 15:00~ ▼

 THIRD PREFERENCE 2001.10.09 ▼ 15:00~ ▼
- ② PLEASE ENTER YOUR ADDRESS / COMPANY NAME / PERSON TO BE CONTACTED / TELEPHONE NUMBER

ADDRESS TO BE VISITED	O△-CHO XXXX BANCHI, □□-SHI HIROSHIMA
COMPANY NAME	☆☆ INDUSTRY (K.K.), □□ FACTORY
PERSON TO BE CONTACT	☆☆ INDUSTRY (K.K.), POWER DEPART., △△ JIRO
TELEPHONE NUMBER	XXX-XXX-XXXX

- ③ YOUR TRANSFORMER IN USE INSTALLED INDOORS © OUTDOORS INDOORS OR OUTDOORS ?
- THE MEASURING CIRCUIT IS OF AN INDOORS INSTALLATION TYPE . INDOORS INSTALLATION POSSIBLE ?

[SEND] [CANCEL]

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FIG. 19

402

☆☆ INDUSTRY (K.K.) POWER DEPART., Mr. △△ JIRO

★THIS IS (K.K.) ©© WORKS, □□ FACTORY

The fact that they being they being

M. Mari

★SURELY ACCEPTED YOUR CONTACT DATED ON 08 / 16 / 2001 REGARDING PREVIOUS INSPECTION FOR YOUR ORDER OF 'RENEWAL TO SUPER-ENERGY-SAVED TRANSFORMER'

402a

ORDER ACCEPTANCE TABLE FROM ☆☆ INDUSTRY (K.K.)								
OR	DER AC	CEPTAI	NCE TABL	LE FROM ☆>	☆	INDUSTRY	(K.K.)	
DEALER NAME	HIRO	SHIMA :	(K.K.) △	.△◎◎		DATE ACC 08 / 08 / 200		
ORDER	TRAN	ISFORM	IER RENE	EWAL		ORDER No	. : 34-056	
	CAPACITY	PHASE No.	VOLTAGE	TRANSFORMER NUMBER	MA	ANUFACTURED YEAR	MANUFACTURER	
TRANSFORMER IN USE	50kVA	SINGLE PHASE	3150V/210V	2		1978	00	
	500kVA	3 PHASE	6600V/210V	2		1975	00	
	1000kVA	3 PHASE	6600V/210V	1		1975	00	
DESIRED DATE OF INSTALLATION / WIRING OF 10 / 20 / 2001 MEASURING CIRCUIT								
POWER FA OF MEASU			ISTALLAT	ION / WIRING	G	POS	SSIBLE	

402b

PREVIOUS IN	SPECTION ACCEPTANCE TABLE DATE ACCEPTED: 200	01.08.16
PREVIOUS INSPE	CTION DATE 10/12/2001 15:00~16:00	
VISITING PLACE	☆☆ INDUSTRY (K.K.) LOCATED AT ○△-CHO, XXXX BANCHI,□□-SHI, H	IROSHIMA
PERSON TO BE CONTACTED	☆☆ INDUSTRY (K.K.), POWER DEPART. Mr. △△ JIR	10
TELEPHONE NUMBER	XXX-XXX-XXXX	

★ AS TO PREVIOUS INSPECTION DATE, AS A RESULT OF SCHEDULE CONFIRMATION BY ENGINEERS OF OUR COMPANY, WE ACCEPTED YOUR FIRST PREFERENCE: 10 / 12 (Fri.) / 2001,15:00-16:30

402c

- \bigstar \triangle JIRO AT POWER DEPART. OF OUR COMPANY WILL VISIT
- ★ FOR LATER CONTACT WITH OUR COMPANY, PLEASE CONTACT THE FOLLOWING ADDRESS MAIL ADDRESS: XXXX@XX.XXXXXX.XXXXXXXXXXXXXX

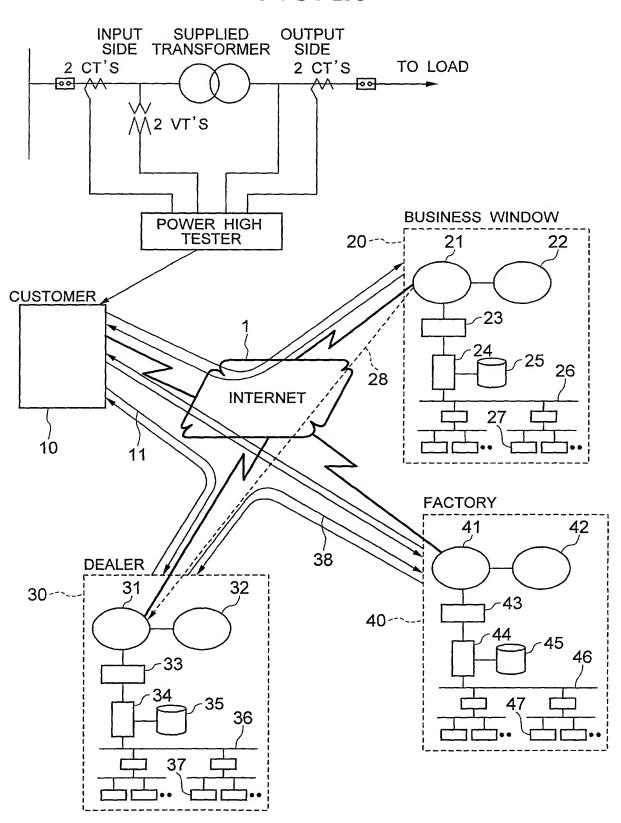
TEL: XXX-XXX-XXXX

FAX: XXX-XXX-XXXX

402d

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FIG. 20



Applicant: Tomomi Izuna, et al.

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G 21

EXAMPLE OF MEASURED RESULTS AT TRANSFORMER INPUT/OUTPUT SIDES.

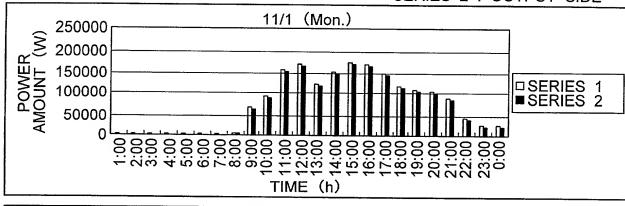
	INPUT	l	SIDE (AVERAGE PER DAY)	R DAY)	70	ITPUT SIE	JE (AVER	OUTPUT SIDE (AVERAGE PER DAY)	AY)
MEASUREMENT DATE	VOLTAGE (V)	CURRENT (A)	EFFECTIVE POWER (W)	POWER FACTOR	VOLTAGE (V)	CURRENT (A)	LOAD FACTOR	EFFECTIVE POWER (W)	POWER FACTOR
	U12	112	P12	PF12	N34	134		P34	PF34
2000/12/18 (Mon.)	6597	49.74	412.870	0.710	3407	90.67	0.526	406,943	0.745
19(Tue.)	6643	47.00	384.072	969.0	3434	85.17	0.499	378,323	0.735
20 (Wed.)	6635	48.01	392.243	0.702	3428	87.22	0.510	386,373	0.740
21(Thurs.)	6635	48.00	390.984	0.695	3428	87.19	0.511	385,065	0.731
22(Fri.)	6640	37.51	300.676	0.694	3442	67.13	0.407	295,577	0.740
25 (Mon.)	6582	24.75	192.568	0.575	3425	42.71	0.280	188,427	1
26(Tue.)	6628	31.45	247.225	0.683	3442	55.56	0.320	242,748	0.731
27 (Wed.)	6639	31.70	248.380	0.681	3447	55.96	0.323	243,858	0.729
28(Thurs.)	6634	27.91	207.457	0.475	3449	48.15	0.344	202,873	l

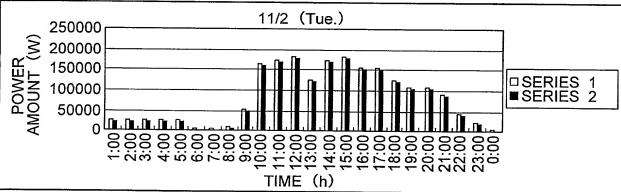
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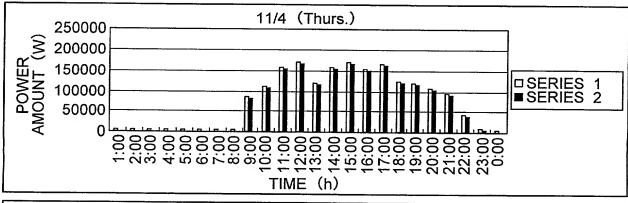
FIG. 22

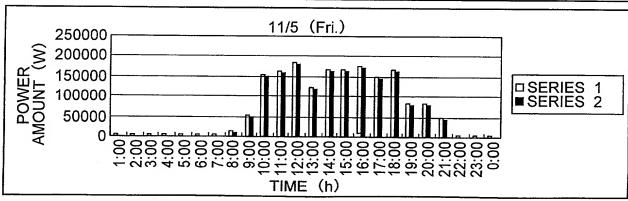
POWER AMOUNT SHIFT AT INPUT / OUTPUT SIDES SERIES 1 : INPUT SIDE

SERIES 2 : OUTPUT SIDE









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FIG. 23

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☆☆ INDUSTRY (K.K.) POWER DEP., Mr. $\triangle \triangle$ JIRO 2001.11.5

(K.K.) ©© WORKS, □□ FACTORY △△ DEPARTMENT, Mr. ○○ TARO

RE: PROPOSAL TO "RENEWAL TOWARD SUPER-ENERGY-SAVED TRANSFORMER"

AS A RESULT OF OUR MEASUREMENT OF YOUR POWER USE CONDITION THROUGH 2 WEEKS FROM 10/22/2001 TO 11/02/2001, WE SUGGEST THE OPTIMUM RENEWAL PROPOSAL AS FOLLOWS THREE FEATURES OF THE RENEWAL ARE AS FOLLOWS. PLEASE **EXAMINE IT**

REMARKS:

- 1. RENEWAL FEATURES
 - (1) AS OUR EXAMINATION OF TRANSFORMER COMBINATION, 5 TRANSFORMERS CAN BE COMBINED INTO 3 TRANSFORMERS
 - (2) THE RENEWAL TO OUR SUPER-ENERGY-SAVED TRANSFOMER ENABLES REDUCTION OF POWER AMOUNT TO XX.X MWh/YEAR AND ALSO REDUCTION OF POWER FEE TO XXX, 000 YEN / YEAR
 - (3) ENVIRONMENTALLY REDUCTION OF CO2 TO XX.X T/YEAR CAN BE REALIZED
- 2. PROPOSAL TO RENEWAL

TRANSFORMER	CU	RRENT STATE	EXAMINED CONTENTS	OUR RENEWAL
TOTAL OTTAL	CAPACITY		EXAMINED CONTENTS	PROPOSAL
No.1	50kVA	GENERAL POWER, OUTLET	·SMALL LOAD ·SHIFT LOAD TO No.4 TRANSFORMER	COMBINE IT INTO No.4 TRANSFORMER
No.2	500kVA	DRYING FURNACE, PRESS,	·SMALL LOAD ·LESS INFLUENCED BY NOISE.	COMBINE INTO A SINGLE
No.3	500kVA	ILLUMINATOR, etc.	VOLTAGE VARIATIONS	TRANSFORMER OF 500kVA
No.4	50kVA	GENERAL POWER, OUTLET	•SMALL LOAD •INCREASE CAPACITY INCLUDING PROSPECTED CAPACITY CORRESPONDING TO LOAD SHIFT OF No.1 TRANSFORMER	COMBINE INTO No.1 TRANSFORMER OF 75kVA
No.5	1000kVA	WELDING MACHINE PRESS, ILLUMINATOR, etc.	INTERMITTENT LOAD, SUFFICIENT CAPACUITY WORKABILITY IS NOT INFLUENCED EVEN BY CAPACITY REDUCTION	COMBINE INTO A SINGLE TRANSFORMER OF 750kVA

3	\//E	MAITING	VOLID	CONTACT

OWANT	TO PR	OCEED	RENEWAL	AS	YOUR	PROPOSAL	. WANT
KNOW	MORE	DETAIL	ED EXPLA	NTIO	N		
ONAV OLI	IECTION	1 10 40	EOLI OM	TALAL	T COD	MOUD DEC	

\bigcirc MY	QUESTION	IS AS	FOLLOW.	WAIT	FOR	YOUR	RFPI Y

[SEND] [CANCEL]

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FIG. 24

Mr. TARO SCHEDULE

	8			1 1	2 1	3 1	4 1	5 1	6	17	
2001.10.08 (Mon.)		FACT MEE									
2001.10.09 (Tue.)											
2001.10.10 (Wed.)								MOVE			
2001.10.11 (Thurs)	KURA	ASHIKI- (COM	SHI, (PANY		MA	OKAYAMA-SHI, OKAYAMA (COMPANY B)					
2001.10.12 (Fri.)	TSU	TSUYAMA-SHI, OKAYAMA (COMPANY C)					MOVE				
2001.10.13 (Sat.)											
2001.10.14 (Sun.)		HOLIDAY									
2001.10.15 (Mon.)		MOVE					SHIMONOSEKI-SHI, YAMAGUCHI (COMPANY D)				
2001.10.16 (Tue.)	TOKU	TOKUYAMA-SHI, YAMAGUCHI (COMPANY E)				MOVE					
2001.10.17 (Wed.)											
2001.10.18 (Thurs)	YC	YONAGO-SHI, TOTTORI (COMPANY F)					TOTTORI-SHI, TOTTORI (COMPANY G)				
2001.10.19 (Fri.)		MOVE									
2001.10.20 (Sat.)											
2001.10.21 (Sun.)	HOLIDAY										
2001.10.22 (Mon.)											
2001.10.23 (Tue.)		MOVE				HIMEJI-SHI, HYOGO (COMPANY H)					
2001.10.24 (Wed.)		AIOI-SHI, HYOGO (COMPANY I)			AKO-SHI, HYOGO (COMPANY J)						
2001.10.25 (Thurs)		MOVE									
2001.10.26 (Fri.)											